

SEQUENCE PROTOCOL

10/549262
JC17 Rec'd PCT/PTO 12 SEP 2005

<110> Forschungszentrum Jülich GmbH

<120> Method for Microbial Production of L-serine

<130> PT 1.2057

<140>

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<170> PatentIn Ver. 2.1

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<211> 1449

<212> DNA

<213> Corynebacterium glutamicum

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Glu Phe Pro Ser Ser His Val Asp Ile Thr Leu His Gly Ser Leu Ala

35 40 45

Ala Thr Gly Lys Gly His Cys Thr Asp Arg Ala Val Leu Leu Gly Leu

50 55 60

Val Gly Trp Glu Pro Thr Ile Val Pro Ile Asp Ala Ala Pro Ser Pro

65 70 75 80

Gly Ala Pro Ile Pro Ala Lys Gly Ser Val Asn Gly Pro Lys Gly Thr

85 90 95

Val Ser Tyr Ser Leu Thr Phe Asp Pro His Pro Leu Pro Glu His Pro

100 105 110

Asn Ala Val Thr Phe Lys Gly Ser Thr Thr Arg Thr Tyr Leu Ser Val

115 120 125

Gly Gly Gly Phe Ile Met Thr Leu Glu Asp Phe Arg Lys Leu Asp Asp

130 135 140

Ile Gly Ser Gly Val Ser Thr Ile His Pro Glu Ala Glu Val Pro Cys

145 150 155 160

Pro Phe Gln Lys Ser Ser Gln Leu Leu Ala Tyr Gly Arg Asp Phe Ala

165 170 175

Glu Val Met Lys Asp Asn Glu Arg Leu Ile His Gly Asp Leu Gly Thr

180 185 190

Val Asp Ala His Leu Asp Arg Val Trp Gln Ile Met Gln Glu Cys Val

195 200 205

Ala Gln Gly Ile Ala Thr Pro Gly Ile Leu Pro Gly Gly Leu Asn Val

210 215 220

Gln Arg Arg Ala Pro Gln Val His Ala Leu Ile Ser Asn Gly Asp Thr
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Cys Glu Leu Gly Ala Asp Leu Asp Ala Val Glu Trp Val Asn Leu Tyr
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Ala Leu Ala Val Asn Glu Glu Asn Ala Ala Gly Gly Arg Val Val Thr
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Ala Pro Thr Asn Gly Ala Ala Gly Ile Ile Pro Ala Val Met His Tyr
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Ala Arg Asp Phe Leu Thr Gly Phe Gly Ala Glu Gln Ala Arg Thr Phe
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Leu Tyr Thr Ala Gly Ala Val Gly Ile Ile Ile Lys Glu Asn Ala Ser
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Ile Ser Gly Ala Glu Val Gly Cys Gln Gly Glu Val Gly Ser Ala Ser
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Ala Met Ala Ala Ala Gly Leu Cys Ala Val Leu Gly Gly Ser Pro Gln
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Thr Cys Asp Pro Val Gly Gly Leu Val Gln Ile Pro Cys Ile Glu Arg
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Leu Gly Gly Leu Ala Thr Thr Leu Gly Phe Pro Val Ser Met Thr Glu
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Cys